REGULATED CONSTITUENTS* TESTED OR DETECTED IN THE CITY OF HIGH POINT'S DRINKING WATER

January 1 - December 31, 2009

CONSTITUENT	LAST AMOUNT FOUND	LAST DATE TESTED	UNIT	MAXIMUM ALLOWED MCL	MAXIMUM ALLOWED MCLG	POTENTIAL HEALTH EFFECT	SOURCE
At the Ward Water Treatment Plant							
pH	7.06	11/18/09	units	>6.5	no limit	none	none
Barium	<0.4	11/18/09	mg/L	<2.0	<2.0	circulatory system effects	natural pigments, epoxy sealants, spent coal
Fluoride	1.6	11/11/08	mg/L	<4.0	<4.0	skeletal and dental fluorosis	natural, fertilizer, aluminum industry, water treatment
Sodium	15.5	11/18/09	mg/L	no limit	no limit	none	none
Sulfate	28	11/18/09	mg/L	no limit	no limit	diarrhea	natural deposits, water production
Nitrate	0.137	10/06/09	mg/L	<10.0	no limit	methemoglobulinemia	animal waste, fertilizer, natural deposits, septic tanks, sewage
Nitrite	<0.1	10/06/09	mg/L	no limit	no limit	methemoglobulinemia	animal waste, fertilizer, natural deposits, septic tanks, sewage
Gross alpha	<3	12/12/06	pCi/L	15	none	cancer	natural deposits and man-made sources
Gross beta	<4	12/12/06	pCi/L	50	none	cancer	natural deposits and man-made sources
Radium 228	<1	12/12/06	pCi/L	2	none	cancer	natural deposits and man-made sources
Total asbestos	<0.2	2003	MFL>10um	7	none	cancer	
At the Customer's Faucet							
Total Coliform	<1	12/09	/100 ml	<5% of tests	none	stomach upset	human and animal waste
Total Trihalomethanes (rolling average of previous four quarters)	0.058	08/18/09	mg/L	<0.080	no limit	cancer, suspected in premature birth	by-product of disinfecting drinking water
Total Haloacetic acids (rolling average of previous four quarters)	0.024	08/18/09	mg/L	<0.060	no limit	cancer, suspected in premature birth	by-product of disinfecting drinking water
Lead	<3	09/05/08	ug/L	<15	<15	kidney, nervous system damage	natural/industrial deposits, plumbing, solder, brass alloy faucets
Copper	<50	09/05/08	ug/L	<1300	<1300	gastrointestinal irritation	natural/industrial deposits, wood preservatives, plumbing

Pesticides and Synthetic Organic Chemicals (SOCs)-39 compounds tested with no quantifiable results to report. Sampled on 11/18/09.
Volatile Organic Chemicals (VOCs) were sampled on 11/18/09 with no quantifiable results to report.
** required by the Safe Drinking Water Act*

Definitions:

NTU – turbidity units, used only to define this measurement

mg/L – milligrams per liter or parts per million (ppm).

pCi/L – picocurries per liter, used only for radioactivity measurements.

≤ - less than

≥ - greater than, both are applied to numbers to indicate a boundary such as, *"The number should not exceed"* or *"The value cannot be measured below this number."*

MCL – (Maximum Contaminant Level) the greatest amount allowed in your water by law that determines whether it is safe or not.

MCLG – (Maximum Contaminant Level Goal) This would be an ideal situation. This may or may not exist anywhere on earth, but it is the best we wish we could achieve.

MFL - measurable fiber length

Heterotrophic – a group of bacteria that is a general indicator of many bacteria but are not health threatening.

Coliform – a group of very resistant bacteria usually associated with disease.

NOTE: *A report about the wastewater treatment system is available upon request from High Point's Customer Service Phone Center at 883-3111.*

SELECTED AVERAGE VALUES
after treatment at the Ward Water Plant

(from monthly reports to N. C. Public Water Supply, January - December 2009)

Type of Test	Drinking Water: Average found	Drinking Water: Most found
Total Coliform (/100 ml)	<1	<1
Heterotrophic bacteria (/ml)	0	0
Aeromonas (bacteria /100 ml)	<0.2	<0.2
Turbidity (ntu)	0.08	0.93
Total organic carbon (mg/L)	1.88	2.1
Dissolved organic carbon (mg/L)	1.91	2.3
UV 254 (mg/L)	3.0	4.2
pH (std units)*	7.5	7.9
Chlorine (mg/L)	2.2	2.7
Alkalinity (mg/L)	25	33
Hardness (mg/L)	34	40
Aluminum (mg/L)	<0.5	<0.5
Copper (mg/L)	0.006	0.012
Fluoride (mg/L)	0.76	1.34
Iron (mg/L)	<0.5	<0.5
Manganese (mg/L)	<0.025	<0.025
Sodium (mg/L)	15	19
Nitrate+Nitrate as Nitrogen (mg/L)	0.11	0.23
Total Phosphorus as Phosphorus (mg/L)	0.22	0.28

* pH is a range of minimum and maximum values rather than an average.